ESPAÑOL: PÁGINA 15 FRANÇAISE : PAGE 27

## **HP FRAMER**

HIGH PRESSURE®

# ROUND HEAD FRAMING NAILER



To learn more about Porter-Cable visit our website at:

Instruction

manual

http://www.porter-cable.com

# PORTER+CABLE PROFESSIONAL POWER TOOLS

### **IMPORTANT**

Please make certain that the person who is to use this equipment carefully reads and understands these instructions before starting operations.

The Model and Serial No. plate is located on the main housing of the tool. Record these numbers in the spaces below and retain for future reference.

Model No. \_\_\_\_\_

Type \_\_\_\_\_

Serial No.

## **TABLE OF CONTENTS**

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SERVICE CENTER LISTINGBACK COVER



## **GB** ENGLISH

#### **EC-DECLARATION OF CONFORMITY**

We declare under our sole responsibility that this product is in conformity with the regulations EN292-2: section 3 of 1992

EN292-1: section 5 of 1992

EN1050: 1993 EN792 13: 2000

## E ESPANOL DECLARACION DE CONFORMIDAD "CE"

Declaramos bajo nuestra sola responsabilidad que est e producto está en conformidad con las regulaciones

EN292-2: section 3 of 1992 EN292-1: section 5 of 1992

EN1050: 1993 EN792 13: 2000

### F FRANÇAISE DÉCLARATION DE CONFORMITÉ CE

Nous declarons sous notre propre responsabilite que ce produit est conforme aux reglementations

EN292-2: section 3 of 1992 EN292-1: section 5 of 1992

EN1050: 1993 EN792 13: 2000

Robert F. Burkholder

Sr. Vice President of Technology

#### Date of Manufacture:

Fecha de fabricación:, Date de fabrication:

#### Serial No:

Número de serie:, Nombre d'ordre

## **SAFETY GUIDELINES / DEFINITIONS**

It is important for you to read and understand this manual. The information it contains relates to protecting YOUR SAFETY and PREVENTING PROBLEMS. The symbols below are used to help you recognize this information.

▲ DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

**AWARNING** indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**ACAUTION** indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

**CAUTION** used without the safety alert symbol indicates potentially hazardous situation which, if not avoided, may result in property damage.

## **IMPORTANT SAFETY INSTRUCTIONS**

#### SAVE THESE INSTRUCTIONS!

AWARNING
Read and understand all warnings and operating instructions before using any tool or equipment. When using tools or equipment, basic safety precautions should always be followed to reduce the risk of personal injury. Improper operation, maintenance or modification of tools or equipment could result in serious injury and property damage. There are certain applications for which tools and equipment are designed. Porter-Cable Corporation strongly recommends that this product NOT be modified and/or used for any application other than for which it was designed.

If you have any questions relative to its application DO NOT use the product until you have written Porter-Cable Corporation and we have advised you.

Online contact form at www.Porter-Cable.com

Postal Mail: Technical Service Manager Porter-Cable Corporation 4825 Highway 45 North Jackson, TN 38305

Information regarding the safe and proper operation of this tool is available from the following sources:

International Staple, Nail and Tool Association (ISANTA) 512 W. Burlington Ave., Suite 203, La Grange, IL 60525-2245 www.isanta.org

American National Standards Institute, 25 West 43rd Street, 4 floor, New York, NY 10036 www.ansi.org

ANSI SNT-101-2002 Safety Requirements for Portable, Compressed-Air-Actuated Fastener Driving Power Tools

## ▲ DANGER GENERAL SAFETY RULES

**1. Read and understand tool labels and manual.** Failure to follow warnings could result in **DEATH** or **SERIOUS INJURY**. Fig. 1.



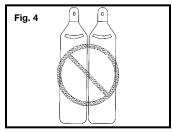
2. Operator and others in work area MUST wear safety glasses with side shields. These safety glasses must conform to ANSI Z87.1 requirements (approved glasses have "Z87" printed or stamped on them). Fig. 2.



3. Keep fingers AWAY from trigger when not driving fasteners to avoid accidental firing. Never carry tool with finger on trigger. Contact actuation tools will fire a fastener if the safety mechanism is bumped while the trigger is depressed.



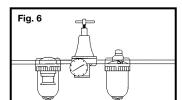
4. Choice of triggering method is important. Check manual for triggering options. See "Using the Tool" section of this manual.



5. Never point tool at yourself or others in work area. Serious injury or death may occur if the tool is activated. Fig. 3

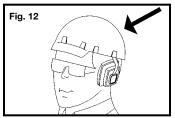


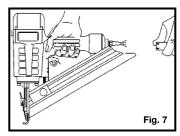
**6. Never use oxygen or other bottled gasses.** Explosion will occur. Never use combustible gases or any other reactive gas as a power source for this tool: explosion and serious personal injury will result. Fig. 4.

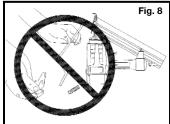


- **7. Wear ear protection** to safe-guard against possible hearing loss. Ear protection equipment must conform to ANSI S3.19 requirements. Fig. 5.
- 8. Use clean, dry, regulated, compressed air at 80 to 150 PSI, (5.5 to 10.3 BAR). Fig. 6.

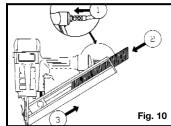
- **9. Do not connect tool** to pressure which potentially exceeds 200 PSI (13.7 BAR).
- 10. All air line components (hoses, connectors, filters, regulators, etc.) must be rated for a maximum working pressure of at least 300 PSI (20.7 BAR) or 150% of the maximum system pressure, which ever is greater.
- **11. Connect tool to air supply hose** with a coupling that automatically removes all pressure from the tool when the coupling is disconnected. Fig. 7.
- **12.** Disconnect tool from air supply hose before doing tool maintenance, clearing a jammed fastener, leaving work area, moving tool to another location, or handing the tool to another person. Fig. 7.
- **13. Never use a tool** that is leaking air, has missing or damaged parts, or requires repair. Make sure all screws and caps are securely tightened. Fig. 8.
- 14. Never use tool if safety, trigger or springs are inoperable, missing or damaged. Do not alter or remove safety, trigger, or springs. Make daily inspections for free movement of trigger and safety mechanism. Fig. 8.
- **15.** Do not use tool without safety warning label. If label is missing, damaged or unreadable, contact the Customer Care Department at 1-800-487-8665 for a replacement. Fig. 9.
- **16. Only use parts and accessories** approved by Porter-Cable.
- 17. Connect tool to air supply before loading fasteners, to prevent a fastener from being fired during connection. The tool driving mechanism may cycle when tool is connected to the air supply. Fig. 10.
- **18.** Always assume the tool contains fasteners. No horseplay. Respect the tool as a working implement. Fig. 11.
- **19.** Operator and bystanders should wear hard hats to safeguard against possible injuries. Fig. 12.
- 20. Keep bystanders and children away from work area when operating this power tool.



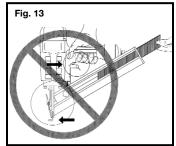




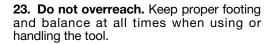




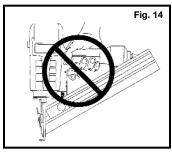


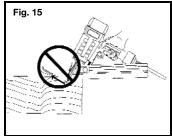


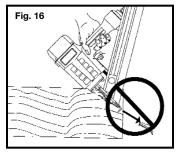
- **21. Do not load fasteners** with trigger or safety depressed, to prevent unintentional firing of a fastener. Fig. 13
- **22.** Remove finger from trigger when not driving fasteners. Never carry tool with finger on trigger. Contact Actuation tools will fire a fastener if the safety mechanism is bumped while trigger is depressed. Fig. 14.

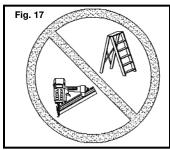


- **24.** Fire fasteners into work surface only: never into materials too hard to penetrate. Fig. 15.
- 25. Grip tool firmly to maintain control while allowing tool to recoil away from work surface as fastener is driven. With Contact Actuation tools an unwanted fastener will be fired if the safety mechanism is allowed to recontact work surface before trigger is released.
- **26.** Do not drive fasteners on top of other fasteners, or with the tool at too steep an angle: the fasteners can ricochet causing personal injury. Fig. 15.
- **27.** Do not drive fasteners close to the edge of the workpiece. The workpiece is likely to split allowing the fastener to fly free or ricochet causing personal injury. Fig. 16.
- 28. FOR TOOLS USED IN CONTACT ACTUATION MODE, Do not use on scaffoldings or ladders or for tasks in which changing location involves the use of scaffoldings, stairs, ladders, and the like. Do not use for specific tasks such as closing boxes or crates or fitting transportation safety systems on vehicles and wagons. Fig. 17.









### TECHNICAL SPECIFICATIONS

Noise level

- A Weighted sound impulse . . . power level . . . . . 105 dBA
- P Emission sound pressure pressure level . . . . . 98 dBA

Typical Mean effective Acceleration . . . . 4.9 m/s<sup>2</sup>

### **EMPLOYER'S RESPONSIBILITIES**

Employer must enforce compliance with the safety warnings and all other instructions contained in this manual.

Keep this manual available for use by all people assigned to use this tool.

For personal safety and proper operation of this tool, read and understand tool labels and manual. Failure to follow warnings could result in DEATH or SERIOUS INJURY. Read and follow all of these instructions carefully.

## **FUNCTIONAL DESCRIPTION**

Porter-Cable **HP FRAMER HIGH PRESSURE®** Model FRP350 is a high pressure heavy duty pneumatic framing nailer. It is designed to install 22 degree round head, plastic collated framing nails .113" - .148" dia. of various lengths from 2" to 31/2".

Use approved Porter-Cable fasteners only.

## **CARTON CONTENTS**

- 1) HP FRAMER HIGH PRESSURE®
- 2) 3/8" NPT plug with cap

- 3) Air Tool Oil Bottle
- 4) Instruction Manual

#### POWER SOURCE

This tool is designed to operate on clean, dry, compressed air at regulated pressures between 80 and 150 PSI (Pounds per Square Inch)(5.5 to 10.3 BAR). The preferred system would include a filter, a pressure regulator, and an automatic oiler located as close to the tool as possible, within 15 ft/4.6 m is ideal. The tool is equipped with a 3/8" male quick connector.

All compressed air contains moisture and other contaminates that are detrimental to internal components of the tool. An air line filter will remove most of these contaminates and significantly prolong the life of the tool. If an in-line oiler is not available: place five or six drops of Air Tool Oil into the tool's air inlet at the beginning of each workday.

#### PREPARING THE TOOL

NOTE: This tool is shipped completely assembled. No assembly time or tools are required.

- 1. After reading and understanding this entire manual, connect tool to air supply (Fig. 18).
- 2. Orient a strip of approved fasteners with points down (A) Fig. 19, align, and insert into the magazine "T" slot. **Points first.**

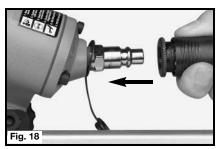
**ADANGER** Do not load fastener strip into magazine backwards.

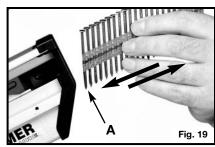
3. Observe fastener icon (A) Fig. 20. Insert fasteners (B) Fig. 20 with points down (C) Fig. 20. Slide fasteners forward to the front of the magazine. The magazine will hold two full strips of fasteners.

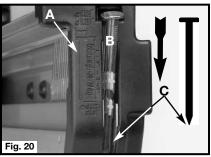
**IMPORTANT:** Fasteners must point in the same direction as they will be driven.

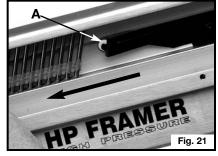
NOTE: This tool has a mechanical lock out device which restricts the tool from firing when the quantity of nails in the magazine is reduced to four. When attempting to unload the magazine be certain to remove all four nails from the magazine, otherwise one loose nail could jam in the magazine when the tool is reloaded and fired.

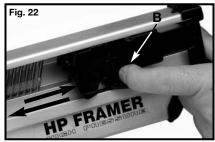
- 4. Feed the strip of fasteners into the magazine ("T" slot), until they are past the spring (A) Fig. 21.
- 5. Pull the follower (B) Fig. 22 all the way to the rear of the magazine and release. The follower will apply pressure to the strip of nails to feed it into the driving mechanism as shown in (B) Fig. 22A.
- 6. Adjust directional exhaust deflector (A) Fig. 23 so that the exhaust air blast or debris will be directed away from the operator. The exhaust deflector provides seven detented positions for directing the exhaust blast away from the operator. Grasp the deflector and rotate it to the desired position for the current application.

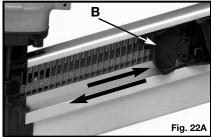


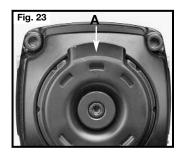












## **OPERATING INSTRUCTIONS**

## USING THE TOOL WITH SELECTABLE TRIGGERING OPTIONS

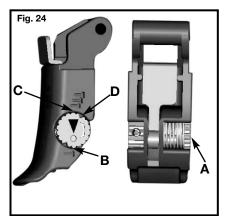
Complete all steps of PREPARING THE TOOL before using the tool.

This tool is shipped from the factory with a selectable trigger set in the "SINGLE SEQUENTIAL ACTUATION" firing mode as described in number 1 below. This actuation design requires the release of both the trigger and safety mechanism after each fastener is driven. The selectable trigger can be set for the "CONTACT ACTUATION" firing mode as described in number 2 below. This actuation design requires the release of the safety mechanism ONLY after each fastener is driven.

1. To use the tool in the **SINGLE SEQUENTIAL ACTUATION MODE** depress trigger lever pivot pin (A) Fig. 24 and rotate it to position (B) and release. Note: Trigger lever pivot pin is spring loaded and held in position by locking tab (D) Fig. 24 to prevent movement during operation. **To fire, grip tool firmly to maintain control, position nose of tool onto work surface, push the tool firmly against work surface to depress safety mechanism, as shown at (S) Fig. 24A, and then squeeze trigger to fire a fastener. Allow tool to recoil away from work surface as fastener is driven.** This "single sequential actuation" method provides the most accurate fastener placement.

-OR-

2. To use the tool in the **CONTACT ACTUATION MODE** depress trigger lever pivot pin (A) Fig. 24 and rotate it to position (C) and release. Note: Trigger lever pivot pin is spring loaded and held in position by locking tab (D) Fig.24 to prevent movement during operation. To fire, grip tool firmly to maintain control, squeeze and hold trigger, push the tool firmly against work surface to depress safety mechanism, as shown at (S) Fig. 24A, and fire a fastener. Allow tool to recoil away from work surface as fastener is driven. If safety mechanism is allowed to recontact work surface before trigger is released an unwanted fastener will be fired. The tool will fire a fastener each time the safety mechanism is depressed. This method is known as "contact actuation" and allows very fast repetitive fastener placement.





**IMPORTANT:** A trigger, which will **limit** the tool to "**single sequential actuation**" only, is available free-of-charge by calling 1-800-321-9443 in the United States and Canada or 001-731-660-9374 outside the United States and Canada, and providing tool model number, type, serial number, etc. For identification purposes: the **single sequential actuation** trigger is red.

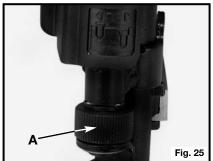
AWARNING Disconnect tool from air supply before performing maintenance, clearing a jammed fastener, leaving work area, moving tool to another location, or handing the tool to another person.

**AWARNING** Clean and inspect tool daily. Carefully check for proper operation of trigger and safety mechanism. **Do Not** use the tool unless both the trigger and the safety mechanism are functional, or if the tool is leaking air or needs any other repair.

The depth to which a fastener is driven is controlled by the depth adjustment knob (A) Fig. 25. The depth of drive is factory adjusted to a nominal setting.

Test fire a fastener and check depth. If a change is desired, rotate the adjustment knob (A) Fig. 25. The adjustment knob has detents every 1/4 turn. Rotate the knob (A) Fig. 25 counterclockwise to increase the depth of drive, rotate the knob clockwise to decrease the depth of drive. Test fire another fastener and check depth. Repeat as necessary to achieve desired results. The amount of air pressure required will

vary depending on the size of the fastener and the material being fastened. Experiment with the air pressure setting to determine the lowest setting that will consistently perform the job at hand (Fig. 25B). Air pressure in excess of that required can cause premature wear and/or damage to the tool.



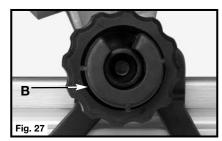
Pressure
80
90
110
110
130
130
130
150

Fig. 25B

A rubber nose cushion (A) Fig. 26 is provided to reduce marring of the work surface. The rubber cushion can be removed, and stored inside knob (B) Fig. 27, to provide increased depth-of-drive for toe-nailing applications.

**AWARNING** Disconnect tool from air supply before removing or reinstalling rubber cushion.

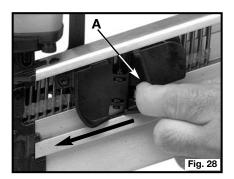


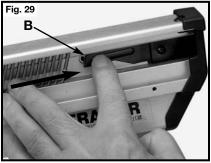


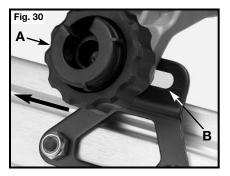
#### CLEARING A JAMMED FASTENER

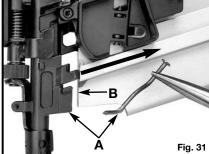
A WARNING Disconnect tool from air supply.

- 1. Remove any remaining fasteners from the nailer.
  - A. Place finger in recess (A) Fig. 28, and depress lever to release follower mechanism.
  - B. With follower release lever depressed (A) Fig. 28, slide follower all the way to the front of the magazine.
  - C. Depress spring (B) Fig. 29, slide fasteners to the rear, and remove all fasteners from magazine (see Fig. 19).
- Use a pair of needle nose pliers and/or a flat screwdriver to free bent fastener from back of nosepiece. If fastener cannot be removed as described, it may be necessary to remove the magazine as follows:
  - A. Loosen knob (A) Fig. 30 and move magazine in slotted bracket (B).
  - B. Slide magazine back, off of nosepiece. See (B) Fig. 31.
  - C. After clearing bent fastener (A) Fig. 31, reverse above steps to reassemble.









## **MAINTENANCE**

#### **CLEAN AND INSPECT DAILY**

**AWARNING** Disconnect tool from air supply before cleaning and inspection. Correct all problems before placing the tool back in use.

Wipe tool clean and inspect for wear or damage. Use non-flammable cleaning solutions to wipe exterior of tool only if necessary. DO NOT SOAK tool with cleaning solutions. Such solutions can damage internal parts.

Inspect trigger and safety mechanism to assure system is complete and functional: no loose or missing parts, no binding or sticking parts.

Keep all screws tight. Loose screws can cause personal injury or damage tool.

If tool is used without an in-line oiler: place 5 or 6 drops of Air Tool Oil into the air inlet of the tool at the beginning of each workday.

## **SERVICE**

#### SERVICE AND REPAIRS

All quality tools will eventually require servicing or replacement of parts due to wear from normal use. For assistance with your tool, visit our website at <a href="https://www.porter-cable.com">www.porter-cable.com</a> for a list of service centers or call the Customer Care Department at 1-800-487-8665. All repairs made by our service centers are fully guaranteed against defective material and workmanship. We cannot guarantee repairs made or attempted by others.

Should you have any questions about your tool, feel free to write us at any time. In any communications, please give all information shown on the nameplate of your tool (model number, type, serial number, etc.).

## **TROUBLESHOOTING GUIDE**

**AWARNING** Disconnect tool from air supply before performing any Service Procedure.

	SYMPTOM	PROBLEMS	SOLUTIONS
1.	Air leak near top of tool or in trigger area.	Loose screws. Worn or damaged o-rings or seals.	Tighten screws. Install Overhaul Kit.
2.	Tool does nothing or operates sluggishly.	Inadequate air supply. Inadequate lubrication. Worn or damaged o-rings or seals.	Verify adequate air supply. Put 5 or 6 drops of oil into air inlet. Install Overhaul Kit.
3.	Air leak near bottom of tool.	Loose screws. Worn or damaged o-rings or bumper.	Tighten screws. Install Overhaul Kit.
4.	Tool jams frequently.	Incorrect fasteners.  Damaged fasteners.  Magazine or nose screws loose.	Verify approved fasteners of correct size. Replace w/undamaged fasteners. Tighten screws.
		Magazine is dirty. Driver is worn or damaged.	Clean magazine. Install "DRIVER" Maintenance Kit.
5.	Other.		Contact a Porter-Cable Service Facility.

### **ACCESSORIES**

A complete line of accessories is available from your Porter-Cable • Delta Supplier, Porter-Cable • Delta Factory Service Centers, and Porter-Cable Authorized Service Stations. Please visit our Web Site <a href="https://www.porter-cable.com">www.porter-cable.com</a> for a catalog or for the name of your nearest supplier.

▲WARNING Since accessories, other than those offered by Porter-Cable • Delta, have not been tested with this product, use of such accessories could be hazardous. For safest operation, only Porter-Cable • Delta recommended accessories should be used with this product.

## LIMITED WARRANTY

## PORTER-CABLE LIMITED ONE YEAR WARRANTY

Porter-Cable warrants its nailing and stapling tools for a period of one year from the date of original purchase. We will repair or replace at our option, any part or parts of the product and accessories covered under this warranty which, after examination, proves to be defective in workmanship or material during the warranty period. For repair or replacement return the complete tool or accessory, transportation prepaid, to your nearest Porter-Cable Service Center or Authorized Service Station. Proof of purchase may be required. This warranty does not apply to O-rings and Driver Blades or to repair or replacement required due to misuse, abuse, normal wear and tear or repairs attempted or made by other than our Service Centers or Authorized Service Stations.

ANY IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WILL LAST ONLY FOR ONE (1) YEAR FROM THE DATE OF PURCHASE.

To obtain information on warranty performance please write to: PORTER-CABLE CORPORATION, 4825 Highway 45 North, Jackson, Tennessee 38305; Attention: Product Service. THE FOREGOING OBLIGATION IS PORTER-CABLE'S SOLE LIABILITY UNDER THIS OR ANY IMPLIED WARRANTY AND UNDER NO CIRCUMSTANCES SHALL PORTER-CABLE BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.

## **PORTER-CABLE • DELTA SERVICE CENTERS** (CENTROS DE SERVICIO DE PORTER-CABLE • DELTA) (CENTRE DE SERVICE PORTER-CABLE • DELTA)

Parts and Repair Service for Porter-Cable • Delta Power Tools are Available at These Locations (Obtenga Refaccion de Partes o Servicio para su Herramienta en los Siguientes Centros de Porter-Cable • Delta) (Locations où vous trouverez les pièces de rechange nécessaires ainsi qu'un service d'entretien)

#### ARIZONA

Tempe 85282 (Phoenix) 2400 West Southern Avenue Suite 105 Phone: (602) 437-1200

#### Fax: (602) 437-2200 CALIFORNIA

Ontario 91761 (Los Angeles) 3949A East Guasti Road Phone: (909) 390-5555 Fax: (909) 390-5554

San Diego 92111 7638 Clairemont Blvd Phone: (858) 277-9595 Fax: (858) 277-9696

San Leandro 94577 (Oakland) 3039 Teagarden Street Phone: (510) 357-9762 Fax: (510) 357-7939

#### COLORADO

Arvada 80003 (Denver) 8175 Sheridan Blvd., Unit S Phone: (303) 487-1809 Fax: (303) 487-1868

#### **FLORIDA**

Davie 33314 (Miami) 4343 South State Rd. 7 (441) Unit #107 Phone: (954) 321-6635 Fax: (954) 321-6638

Tampa 33609 4538 W. Kennedy Boulevard Phone: (813) 877-9585 Fax: (813) 289-7948

#### GEORGIA

Forest Park 30297 (Atlanta) 5442 Frontage Road, Suite 112 Phone: (404) 608-0006 Fax: (404) 608-1123

Addison 60101 (Chicago) 400 South Rohlwing Rd. Phone: (630) 424-8805 Fax: (630) 424-8895

Woodridge 60517 (Chicago) 2033 West 75th Street Phone: (630) 910-9200 Fax: (630) 910-0360

#### MARYLAND

Elkridge 21075 (Baltimore) 7397-102 Washington Blvd. Phone: (410) 799-9394 Fax: (410) 799-9398

#### MASSACHUSETTS

Franklin 02038 (Boston) Franklin Industrial Park 101F Constitution Blvd. Phone: (508) 520-8802 Fax: (508) 528-8089

#### MICHIGAN

Madison Heights 48071 (Detroit) 30475 Stephenson Highway Phone: (248) 597-5000 Fax: (248) 597-5004

#### MINNESOTA

Minneapolis 55429 5522 Lakeland Avenue North Phone: (763) 561-9080 Fax: (763) 561-0653

#### MISSOURI

North Kansas City 64116 1141 Swift Avenue Phone: (816) 221-2070 Fax: (816) 221-2897

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